

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	("700".clas. "706".clas. "318".clas.) and (Fujibayashi near Kentaro).in. and virtual and (@ad<"20030212" @rlad<"20030212" @prad<"20030212")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:31
L2	4	(Fujibayashi near Kentaro).in. and virtual and (@ad<"20030212" @rlad<"20030212" @prad<"20030212")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:30
L3	5	(location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) with virtual and (driv\$4 control\$4) near (axis axes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:33
L4	1	((location position) near control\$4 near (axes axis) and (location position) near virtual near (axes axis)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:34
L5	0	("700".clas. "706".clas. "318".clas.) and virtual and (@ad<"20030212" @rlad<"20030212" @prad<"20030212") and (location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) with virtual and (driv\$4 control\$4) near (axis axes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:36
L6	5	virtual and (@ad<"20030212" @rlad<"20030212" @prad<"20030212") and (location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) with virtual and (driv\$4 control\$4) near (axis axes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:36
S2	2	"20040158335"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 12:23

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S11	3	(location position) near control\$4 near (axes axis) and (location position) near virtual near (axes axis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:10
S12	20	(location position) near control\$4 and (location position) near virtual and (servomotor servo-motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 12:39
S13	57	(location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:12
S14	21	(location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) same virtual	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 12:53
S15	19	(location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) with virtual	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:03
S16	5	(location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) with virtual and (driv\$4 control\$4) near (axis axes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:05
S17	1	((location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) with virtual).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:03
S18	1	((location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and (screen display user adj interface UI GUI) and virtual).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:03
S19	1	((location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor) and virtual and (driv\$4 control\$4) and (axis axes)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:07

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S20	1	((location position) near2 control\$4 and (location position) near5 virtual and (servomotor servo-motor) and virtual and (driv\$4 control\$4) and (axis axes)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:07
S21	1	((location position) near2 control\$4 and (location position) with virtual and (servomotor servo-motor) and virtual and (driv\$4 control\$4) and (axis axes)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:09
S22	1	((location position) near control\$4 near (axes axis) and (location position) near virtual near (axes axis)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:10
S23	16	("700".clas. "706".clas. "318".clas.) and (location position) near2 control\$4 and (location position) near2 virtual and (servomotor servo-motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:15
S24	136095	("700".clas. "706".clas. "318".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:15
S25	157	("700".clas. "706".clas. "318".clas.) and Fujibayashi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:15
S26	157	("700".clas. "706".clas. "318".clas.) and (Fujibayashi near Kentaro).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:21
S27	4	("700".clas. "706".clas. "318".clas.) and (Fujibayashi near Kentaro).in. and virtual	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/24 13:28

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	1	((location position) near control\$4 near (axes axis) and (location position) near virtual near (axes axis)).clm.	US-PGPUB	OR	ON	2008/01/24 13:47


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[J Weinhofer](#)

[C Morita](#)

[M Okada](#)

[N Takaki](#)

[W Stepniewski](#)

[Development of a Virtual Axis Cutter Grinder](#) XG Han, WY Chen, B. Huang and SH Wang 2 - all 3 versions »

XG Han - [www.scientific.net](http://www.scientific.net)

... is low, so it has a good prospect to develop the **virtual axis** tool grinder ... it is convenient for users to choose the style and amount of the system **control axis** ...

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[Servo control device and method of adjusting servo system](#)

K Code, Y Iwashita, T Akiyama, M Niwa, VP Images, ... - [freepatentsonline.com](http://freepatentsonline.com)

... [0048] As explained above, according to the present invention, feedback track data of a single **control axis** and a **virtual axis** orthogonal with the single ...

[Cached](#) - [Web Search](#)

[Servo control method and servo control system - all 3 versions](#) »

C Morita, M Okada, N Takaki - US Patent 6,037,738, 2000 - Google Patents

Page 1. United States Patent Morita et al. US006037738A [ii] Patent Number: [45]

Date of Patent: [54] SERVO CONTROL METHOD AND SERVO CONTROL SYSTEM ...

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[Position control device - all 2 versions](#) »

K Fujibayashi, T Hishikawa - 2004 - [freepatentsonline.com](http://freepatentsonline.com)

... [0022] Based on an NC program or PMC axis **control** (**axis** control by ... is also provided with means B2 for calculating the position of a **virtual axis** that moves at ...

[Cached](#) - [Web Search](#)

[Output cam system and method](#)

K Code, JK Weinhofer, JS Baker, KR Harris, VP ... - [freepatentsonline.com](http://freepatentsonline.com)

... to another axis block based on the position information from the **virtual axis**. ... In this case, position information for the motion **control axis** controlled by the ...

[Cached](#) - [Web Search](#)

[System level data flow programming interface for a multi-axis industrial control system - all 3 versions](#) »

JK Weinhofer - US Patent 6,442,442, 2002 - Google Patents

... The use of **virtual axes** in these systems provides ... first motion **control axis** and the second motion **control axis**. ... The first and second motion **control axes** may be ...

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[Output cam system and method - all 4 versions](#) »

JK Weinhofer, JS Baker, KR Harris - US Patent 7,099,719, 2006 - Google Patents

... In accordance with a first preferred embodiment, a control method comprises monitoring a position of a motion **control axis** and controlling an output device ...

[Web Search](#)

[3D Microengineering via Laser Direct-Write Processing Approaches](#)

H HELVAJIAN - Direct-Write Technologies for Rapid Prototyping Applications ..., 2002 - [books.google.com](http://books.google.com)

... sequence and may actually use inverse-kinematics features (" **virtual axis** ") to get ... laser-induced forward transfer, MAPLE DW additional **control axes** will also ...

[Cited by 5 - Related Articles - Web Search](#)

[Composite system course control method and apparatus - all 4 versions »](#)

H Itoh - US Patent 5,459,381, 1995 - Google Patents

... produced. A virtual target value for moving a virtual controlled object as a **virtual axis** based on the reality axis is also produced. ...

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[book\] Rotary-Wing Aerodynamics](#)

WZ Stepniewski - 1984 - books.google.com

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